

Organising Committee (Heidelberg University)

Olga Franco

Norbert Gretz

Scientific Committee

Olga Franco (Heidelberg University)

Wolfgang Kowalsky (TU Braunschweig)

Uli Lemmer (Karlsruhe Institute of Technology)

Keynote Lecturers

Albrecht Winnacker (U. Erlangen-Nürnberg)

Wolfgang Kowalsky (TU Braunschweig)

Paul L. Burn (U. Queensland)

Antoine Kahn (Princeton U.)

Edgar Dörsam (TU Darmstadt)

Rasmus Schöder (U. Heidelberg)

Natalie Stingelin (Imperial College London)

Alexander Colsmann (KIT)

Kurt Kremer (MPI Polymer Research)

Beat Ruhstaller (ZHAW, Fluxim)

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Program

2nd

Winter School of Organic Electronics

from materials to applications

Heidelberg (Germany), 5-8 March 2012

Monday 05.03.2012 - Opening

- 10:00-12:00 Arrival and check-in
12:00-13:45 Registration
13:45-14:00 Welcome to the school
14:00-15:00 Opening lecture: *Organic and inorganic electronics – differences and similarities* by A. Winnacker
15:00-16:00 Opening lecture: *Innovation through organic electronics* by W. Kowalsky
16:00-16:30 Coffee break
16:30-18:30 Poster session: *Materials and manufacturing*
from 19:00 Dinner at IWH

Tuesday 06.03.2012 - Materials and manufacturing in organic electronics

- 09:00-10:00 Keynote lecture: *The development of light-emitting materials for organic light-emitting diodes* by P. Burn
10:00-11:00 Keynote lecture: *Chemical doping in organic semiconductors: impact on interfaces, gap states and transport* by A. Kahn
11:00-11:30 Coffee Break
11:30-12:30 Keynote lecture: *Functional Printing* by E. Dörsam
12:30-14:00 Lunch at IWH
14:00-14:30 Contributed talk: *High photoconductive responsivity in polycrystalline organic composite films obtained from solution* by G. Hernandez
14:30-15:00 Contributed talk: *Establishing tetraazaperopyrenes as semiconducting materials for air-stable organic n-channel transistors and complementary circuits* by S. Martens
15:00-15:30 Contributed talk: *Giant surface potential – further materials and the influence of doping* by C. Weigel
15:30-16:00 Contributed talk: *Printed rectifying circuits for HF applications* by P. Heljo
16:00-16:30 Coffee Break
16:30-18:30 Poster session: *Organic Electronic Devices*
from 19:00 Dinner at IWH

Wednesday 07.03.2012 - Organic electronic devices

- 09:00-10:00 Keynote lecture: *Visualizing function of OPVs, a vision...* by R. Schröder
10:00-11:00 Keynote lecture: *Interrelation of processing, microstructure and device performance in polymer semiconductor devices* by N. Stingelin
11:00-11:30 Coffee break
11:30-12:30 Keynote lecture: *Solution processed semi-transparent and tandem organic solar cells* by A. Colmann
12:30-14:00 Lunch
14:00-14:30 Contributed talk: *Microstructural aspects of transition metal oxide p-type doping of organic semiconductors* by L. Dieterle
14:30-15:00 Contributed talk: *A three-terminal structure of organic tandem solar cells with highly transparent und conductive ZTO/Ag/ZTO middle electrode* by T. Otto
15:00-15:30 Contributed talk: *An ion gel dielectric in an OTFT with an amorphous semiconductor* by S. Lehtimäki
15:30-16:00 Contributed talk: *Printed inorganic nanocrystalline field-effect transistors* by N. Mechau
16:00-16:30 Coffee break
17:00-19:00 Social event: Guided tour to "Prinzhornsammlung"
from 19:30 Social event: Dinner at "Kulturbrauerei"

Thursday 08.03.2012 - Modeling of organic electronic devices

- 09:00-10:00 Keynote lecture: *Modeling organic electronic materials* by K. Kremer
10:00-11:00 Keynote lecture: *Advanced simulation of OLEDs and organic solar cells* by B. Ruhstaller
11:00-11:30 Coffee break
11:30-12:00 Contributed talk: *Hybrid simulations for studying the morphology of organic semiconductor materials on the mesoscale* by K. Daoulas
12:00-12:30 Contributed talk: *Situation analysis and a new approach in charge transport modeling for disordered organic thin film devices* by S. Stodtmann
12:30-14:00 Lunch
from 14:00 Departure